IFWO

RAW SEQUENCE LISTING DATE: 08/04/2004
PATENT APPLICATION: **US/10/820,403** TIME: 08:26:38

Input Set : **N:\Crf3\RULE60\10820403.raw**
Output Set: **N:\CRF4\08042004\J820403.raw**

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```
  1 <110> APPLICANT: Sato, Taka-Aki
  2 <120> TITLE OF INVENTION: METHOD OF PREPARING A PROTEIN ARRAY BASED ON
  3       BIOCHEMICAL PROTEIN-PROTEIN INTERACTION
  4 <130> FILE REFERENCE: 65823/JPW/PT
  5 <140> CURRENT APPLICATION NUMBER: US/10/820,403
  6 <141> CURRENT FILING DATE: 2004-04-08
  7 <150> PRIOR APPLICATION NUMBER: US/10/092,138
  8 <151> PRIOR FILING DATE: 2002-03-06
  9 <160> NUMBER OF SEQ ID NOS: 34
 10 <170> SOFTWARE: PatentIn Ver. 2.1
 12 <210> SEQ ID NO: 1
 13 <211> LENGTH: 4
 14 <212> TYPE: PRT
 15 <213> ORGANISM: Artificial Sequence
 16 <220> FEATURE:
 17 <223> OTHER INFORMATION: Description of Artificial
 18       Sequence:source:synthesized
 19 <220> FEATURE:
 20 <221> NAME/KEY: SITE
 21 <222> LOCATION: (1)
 22 <223> OTHER INFORMATION: Xaa=Gly, Ser, Ala or Glu
 23 <220> FEATURE:
 24 <221> NAME/KEY: SITE
 25 <222> LOCATION: (4)
 26 <223> OTHER INFORMATION: Xaa=Phe, Ile or Leu
 27 <400> SEQUENCE: 1
W--> 28       Xaa Leu Gly Xaa
 29         1
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 9
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Artificial Sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: Description of Artificial
 37       Sequence:source:synthesized
 38 <220> FEATURE:
 39 <221> NAME/KEY: SITE
 40 <222> LOCATION: (1)
 41 <223> OTHER INFORMATION: Xaa=Lys, Arg or Gln
 42 <220> FEATURE:
 43 <221> NAME/KEY: SITE
 44 <222> LOCATION: (2)..(5)
 45 <223> OTHER INFORMATION: Xaa=any amino acid, up to 2 Xaa may be missing
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     47 <221> NAME/KEY: SITE
     48 <222> LOCATION: (6)
     49 <223> OTHER INFORMATION: Xaa=Gly, Ser, Ala or Glu
     50 <220> FEATURE:
     51 <221> NAME/KEY: SITE
     52 <222> LOCATION: (9)
     53 <223> OTHER INFORMATION: Xaa=Phe, Ile or Leu
     54 <400> SEQUENCE: 2
W--> 55       Xaa Xaa Xaa Xaa Xaa Xaa Leu Gly Xaa
     56         1               5
     58 <210> SEQ ID NO: 3
     59 <211> LENGTH: 4
     60 <212> TYPE: PRT
     61 <213> ORGANISM: Artificial Sequence
     62 <220> FEATURE:
     63 <223> OTHER INFORMATION: Description of Artificial
     64       Sequence:source:synthesized
     65 <400> SEQUENCE: 3
     66       Ser Leu Gly Ile
     67         1
     69 <210> SEQ ID NO: 4
     70 <211> LENGTH: 3
     71 <212> TYPE: PRT
     72 <213> ORGANISM: Artificial Sequence
     73 <220> FEATURE:
     74 <223> OTHER INFORMATION: Description of Artificial
     75       Sequence:source:synthesized
     76 <220> FEATURE:
     77 <221> NAME/KEY: SITE
     78 <222> LOCATION: (1)
     79 <223> OTHER INFORMATION: Xaa=Ser or Thr
     80 <220> FEATURE:
     81 <221> NAME/KEY: SITE
     82 <222> LOCATION: (2)
     83 <223> OTHER INFORMATION: Xaa=any one amino acid
     84 <220> FEATURE:
     85 <221> NAME/KEY: SITE
     86 <222> LOCATION: (3)
     87 <223> OTHER INFORMATION: Xaa=Val, Ile or Leu
     88 <400> SEQUENCE: 4
W--> 89       Xaa Xaa Xaa
     90         1
     92 <210> SEQ ID NO: 5
     93 <211> LENGTH: 15
     94 <212> TYPE: PRT
     95 <213> ORGANISM: human
     96 <400> SEQUENCE: 5
     97       Asp Ser Glu Asn Ser Asn Phe Arg Asn Glu Ile Gln Ser Leu Val
```

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98          1               5                   10                  15
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 15
102 <212> TYPE: PRT
103 <213> ORGANISM: rat
104 <400> SEQUENCE: 6
105       Ser Ile Ser Asn Ser Arg Asn Glu Asn Glu Gly Gln Ser Leu Glu
106         1               5                   10                  15
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 15
110 <212> TYPE: PRT
111 <213> ORGANISM: mouse
112 <400> SEQUENCE: 7
113       Ser Thr Pro Asp Thr Gly Asn Glu Asn Glu Gly Gln Cys Leu Glu
114         1               5                   10                  15
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 4
118 <212> TYPE: PRT
119 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial
122       Sequence:source:synthesized
123 <400> SEQUENCE: 8
124       Glu Ser Leu Val
125         1
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 6
129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence:
133       source:synthesized
134 <400> SEQUENCE: 9
135       Thr Ile Gln Ser Val Ile
136         1               5
138 <210> SEQ ID NO: 10
139 <211> LENGTH: 8
140 <212> TYPE: PRT
141 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Description of Artificial
144       Sequence:source:synthesized
145 <400> SEQUENCE: 10
146       Arg Gly Phe Ile Ser Ser Leu Val
147         1               5
149 <210> SEQ ID NO: 11
150 <211> LENGTH: 8
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial Sequence
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```
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Artificial
155       Sequence:source:synthesized
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158         1               5
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161 <211> LENGTH: 11
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial
166       Sequence:source:synthesized
167 <400> SEQUENCE: 12
168       Gln Asn Phe Arg Thr Tyr Ile Val Ser Phe Val
169         1               5                   10
171 <210> SEQ ID NO: 13
172 <211> LENGTH: 13
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial
177       Sequence:source:synthesized
178 <400> SEQUENCE: 13
179       Ser Asp Ser Asn Met Asn Met Asn Glu Leu Ser Glu Val
180         1               5                   10
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183 <211> LENGTH: 15
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial
188       Sequence:source:synthesized
189 <400> SEQUENCE: 14
190       Pro Pro Thr Cys Ser Gln Ala Asn Ser Gly Arg Ile Ser Thr Leu
191         1               5                   10                  15
193 <210> SEQ ID NO: 15
194 <211> LENGTH: 15
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Description of Artificial
199       Sequence:source:synthesized
200 <400> SEQUENCE: 15
201       Ile Asp Leu Ala Ser Glu Phe Leu Phe Leu Ser Asn Ser Phe Leu
202         1               5                   10                  15
204 <210> SEQ ID NO: 16
205 <211> LENGTH: 15
206 <212> TYPE: PRT
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207 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial
210       Sequence:source:synthesized
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212       Asp Ser Glu Met Tyr Asn Phe Arg Ser Gln Leu Ala Ser Val Val
213         1               5                  10                  15
215 <210> SEQ ID NO: 17
216 <211> LENGTH: 15
217 <212> TYPE: PRT
218 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Description of Artificial
221       Sequence:source:synthesized
222 <400> SEQUENCE: 17
223       Ile Pro Pro Asp Ser Glu Asp Gly Asn Glu Glu Gln Ser Leu Val
224         1               5                  10                  15
226 <210> SEQ ID NO: 18
227 <211> LENGTH: 4
228 <212> TYPE: PRT
229 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Description of Artificial
232       Sequence:source:synthesized
233 <400> SEQUENCE: 18
234       Gln Ser Leu Val
235         1
237 <210> SEQ ID NO: 19
238 <211> LENGTH: 5
239 <212> TYPE: PRT
240 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Description of Artificial Sequence:source
243       synthesized
244 <400> SEQUENCE: 19
245       Ile Gln Ser Leu Val
246         1               5
248 <210> SEQ ID NO: 20
249 <211> LENGTH: 6
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Description of Artificial
254       Sequence:source:synthesized
255 <400> SEQUENCE: 20
256       Glu Ile Gln Ser Leu Val
257         1               5
259 <210> SEQ ID NO: 21
260 <211> LENGTH: 7
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/04/2004
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Input Set : **N:\Crf3\RULE60\10820403.raw**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,4
Seq#:2; Xaa Pos. 1,2,3,4,5,6,9
Seq#:4; Xaa Pos. 1,2,3
Seq#:31; N Pos. 9,10,11,12,13,14,15,16,17,24,25,26,27,28,29,30,31,32,39,40
Seq#:31; N Pos. 41,51,52,53
Seq#:32; N Pos. 18,19,20,21,22,23,33,34,35,36,37,38,42,43,44,45,46,47,48,49
Seq#:32; N Pos. 50
Seq#:33; N Pos. 9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28
Seq#:33; N Pos. 29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48
Seq#:33; N Pos. 49,50,51,52,53

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L:28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:1135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:1158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0